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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/611,365	06/30/2003	Bing Wang	08212/0200295-US0	3172

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EXAMINER

CHOJNACKI, MELLISSA M

ART UNIT	PAPER NUMBER
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2164

DATE MAILED: 12/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/611,365

Applicant(s)

WANG ET AL.

Examiner

Mellissa M. Chojnacki

Art Unit

2164

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.


Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.



SAM RIMELL
PRIMARY EXAMINER

Attachment(s)

- | | |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>10/22/2004</u> . | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-6, 13-15, 20-21, 23-24 and 29-30 are rejected under 35 U.S.C. 102(b) as being anticipated by Lewis et al., (U.S. Patent Application Publication No. 2004/0116119).

As to claim 1, Lewis et al. teaches a method for updating network appliances (See abstract; paragraph 005; paragraph 0013, where “appliances” is read on “device”), comprising: determining an urgent update (See paragraph 005; paragraph 0013; paragraph 0031; paragraph 0075); creating an urgent update notification (UUN) associated with the urgent update (See paragraph 005; paragraph 0013; paragraph 0031; paragraph 0075); sending the UUN to the network appliances as messages (See paragraph 005; paragraph 0013; paragraph 0031; paragraph 0075); and providing the urgent update to the network appliances (See abstract; paragraph 005; paragraph 0013; paragraph 0031; paragraph 0075).

As to claims 2 and 23, Lewis et al. teaches wherein sending the UUN to the network appliances as messages further comprises sending the messages through specific message ports of the network appliances (See paragraph 0002; paragraph

Art Unit: 2164

0068; paragraph 0070; paragraph 0073); wherein the update server is further configured to send the UUN as a message to each network appliance through a specific message port (See paragraph 0002; paragraph 0068; paragraph 0070; paragraph 0073).

As to claims 3 and 14, Lewis et al. teaches wherein at least one of the network appliances is a message protector configured to protect messages of a specific protocol, and wherein at least one of the messages is conformed to that specific protocol and at least one of the message ports is dedicated to that protocol; wherein the message conforms to a specific protocol and is received through a message port dedicated to that protocol (See paragraph 0031; paragraph 0033).

As to claims 4 and 15, Lewis et al. teaches wherein at least one of the messages is a SMTP conformed message and at least one of the message ports is port 25 (See paragraph 0107); wherein the protocol includes a SMTP protocol and the message port includes port 25 (See paragraph 0107).

As to claim 5, Lewis et al. teaches wherein each message includes a special format that distinguishes it from normal messages (See paragraph 0031; paragraph 0099; paragraph 0124).

As to claim 6, Lewis et al. teaches wherein the special format includes at least one of a special header, a special subject line, and special content in the body of the message (See paragraph 0099; paragraph 0124).

As to claim 12, Lewis et al. teaches wherein the method is operable on at least one of a server, a network appliance, and a dedicated platform (See abstract; paragraph 0031).

As to claim 13, Lewis et al. teaches a method for obtaining updates, comprising: receiving a message (See paragraph 005; paragraph 0013; paragraph 0031; paragraph 0075); in response to determining that the message includes an UUN associated with an urgent update (See paragraph 005; paragraph 0013; paragraph 0031; paragraph 0075 where “appliances” is read on “device”), immediately establishing a connection with a server (See paragraph 005; paragraph 0013; paragraph 0031; paragraph 0075); obtaining the urgent update from the server; and installing the urgent update (See paragraph 005; paragraph 0013; paragraph 0031; paragraph 0075 where “appliances” is read on “device”).

As to claim 20, Lewis et al. teaches wherein the method is operable on at least one of a server, a network appliance, a router, a switch, and a firewall (See abstract; paragraph 0014; paragraph 0031).

As to claim 21, Lewis et al. teaches a system for managing a network (See abstract), comprising: an update server configured to determine updates and to provide the updates to network appliances (See paragraph 005; paragraph 0013; paragraph 0031; paragraph 0075 where “appliances” is read on “device”), the update servers being further configured to determine an update that is urgent and to send an UUN about the urgent update to each network appliance (See paragraph 005; paragraph 0013; paragraph 0031; paragraph 0075); a network appliance configured to periodically obtain updates from the update server (See paragraph 005; paragraph 0013; paragraph 0031; paragraph 0075), the network appliance being further configured to receive from the update server an UUN associated with an urgent update and to immediately obtain the urgent updates from the update server (See paragraph 005; paragraph 0013; paragraph 0031; paragraph 0075).

As to claim 29, Lewis et al. teaches an apparatus for providing updates to network appliances (See abstract; paragraph 005; paragraph 0013, where “apparatus” is read on “device”), comprising: means for determining an urgent update (See paragraph 005; paragraph 0013; paragraph 0031; paragraph 0075); means for creating an UUN associated with the urgent update (See paragraph 005; paragraph 0013; paragraph 0031; paragraph 0075); means for collecting and maintaining IP addresses of the network appliances (See paragraph 005; paragraph 0013; paragraph 0031; paragraph 0075); means for sending the UUN to the network appliances as messages; and means for providing the urgent update to the network appliances (See paragraph

005; paragraph 0013; paragraph 0031; paragraph 0075).

As to claim 30, Lewis et al. teaches an apparatus for obtaining updates (See abstract; paragraph 005; paragraph 0013, where “apparatus” is read on “device”), comprising: means for receiving a message (See paragraph 005; paragraph 0013; paragraph 0031; paragraph 0075); means for determining when the message includes an UUN associated with an urgent update (See paragraph 005; paragraph 0013; paragraph 0031; paragraph 0075), means for establishing a connection with a server in response to when (See paragraph 005; paragraph 0013; paragraph 0031; paragraph 0075); means for obtaining the urgent update from the server; and means for installing the urgent update (See paragraph 005; paragraph 0013; paragraph 0031; paragraph 0075).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 7-11, 16-19, 22 and 24-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lewis et al., (U.S. Patent Application Publication No. 2004/0116119), in view of El-Hajj et al. (U.S. Patent Application Publication No. 2005/0203673).

As to claims 7, 18 and 28, Lewis et al. does not teach wherein providing the urgent update to the network appliances comprises enabling the network appliances to obtain a log that includes the urgent update; wherein obtaining the urgent update from the server comprises obtaining a log that includes the urgent update; a network appliance configured to access the log to obtain the updates.

El-Hajj et al. teaches a wireless communication framework (See abstract), in which he teaches wherein providing the urgent update to the network appliances comprises enabling the network appliances to obtain a log that includes the urgent update; wherein obtaining the urgent update from the server comprises obtaining a log that includes the urgent update (See paragraph 0140; paragraph 0257; paragraphs 0425-0431); a network appliance configured to access the log to obtain the updates (See paragraph 0140; paragraph 0257; paragraphs 0425-0431).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to have modified Lewis et al., to include wherein providing the urgent update to the network appliances comprises enabling the network appliances to obtain a log that includes the urgent update; wherein obtaining the urgent update from the server comprises obtaining a log that includes the urgent update; a network appliance configured to access the log to obtain the updates.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Lewis et al., by the teachings of El-Hajj et al. because wherein providing the urgent update to the network appliances comprises enabling the network appliances to obtain a log that includes the urgent update; wherein

obtaining the urgent update from the server comprises obtaining a log that includes the urgent update; a network appliance configured to access the log to obtain the updates would allow a wireless communication system and frame work that, among other things, does not lock the vehicle and/or fleet owner into a single comprehensive, non-distributed and non-scalable customized communication solution (See paragraph 0019).

As to claims 8 and 25, Lewis et al. as modified, teaches wherein further comprising: collecting the IP addresses of the network appliances when the network appliances establish a connection to obtain updates; and storing the IP addresses in a log (See Lewis et al., paragraph 0087; paragraph 0092; paragraphs 0096-0099; paragraph 0102; also see El-Hajj et al., paragraph 0140; paragraph 0257; paragraphs 0425-0431); wherein the update server is further configured to determine IP addresses associated with the network appliances when the network appliances connect to the update server for updates (See Lewis et al., paragraph 0087; paragraph 0092; paragraphs 0096-0099; paragraph 0102; also see El-Hajj et al., paragraph 0140; paragraph 0257; paragraphs 0425-0431).

As to claims 9 and 11, Lewis et al. as modified, teaches wherein further comprising removing out-of-date IP addresses from the log (See Lewis et al., paragraph 0102; paragraph 0112; paragraph 0124); wherein the IP address is up-to-date (See Lewis et al., paragraph 0102; paragraph 0112; paragraph 0124).

As to claims 10 and 26, Lewis et al. as modified, teaches wherein sending the UUN to the network appliances comprises sending a message with the UUN to each IP address in the log; wherein the update server is further configured to send the UUN to the IP addresses (See Lewis et al., paragraph 0087; paragraph 0092; paragraphs 0096-0099; paragraph 0102; also see El-Haji et al., paragraph 0140; paragraph 0257; paragraphs 0425-0431).

As to claim 16, Lewis et al. teaches wherein the message includes a special format that distinguishes it from normal messages (See Lewis et al., paragraph 0031; paragraph 0099; paragraph 0124).

As to claim 17, Lewis et al. teaches wherein determining that the message includes a UUN comprises detecting the special format (See Lewis et al., paragraph 0099; paragraph 0124).

As to claim 19, Lewis et al. teaches obtaining updates from the server at pre-determined intervals (See Lewis et al., paragraph 0070).

As to claim 22, Lewis et al. teaches wherein the update server is further configured to collect IP addresses of the network appliances in conjunction with periodic update requests, store the IP addresses in a log, and remove an IP address from the log when the IP address is out-of-date (See Lewis et al., paragraph 0087; paragraph

Art Unit: 2164

0092; paragraphs 0096-0099; paragraph 0102; paragraph 0112; paragraph 0124; also see El-Hajj et al., paragraph 0140; paragraph 0257; paragraphs 0425-0431).

As to claim 24, Lewis et al. teaches wherein the update server is further configured to enable the network appliances to connect to the update server and to obtain updates (See Lewis et al., paragraph 0031).

As to claim 27, Lewis et al. teaches wherein the update server is further configured to maintain a log that includes the updates (See Lewis et al., paragraph 0087; paragraph 0092; paragraphs 0096-0099; paragraph 0102; paragraph 0112; paragraph 0124; also see El-Hajj et al., paragraph 0140; paragraph 0257; paragraphs 0425-0431).

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mellissa M. Chojnacki whose telephone number is (571) 272-4076. The examiner can normally be reached on 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Rones can be reached on (571) 272-4085. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2164

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

December 9, 2005

Mmc



SAM RIMELL
PRIMARY EXAMINER